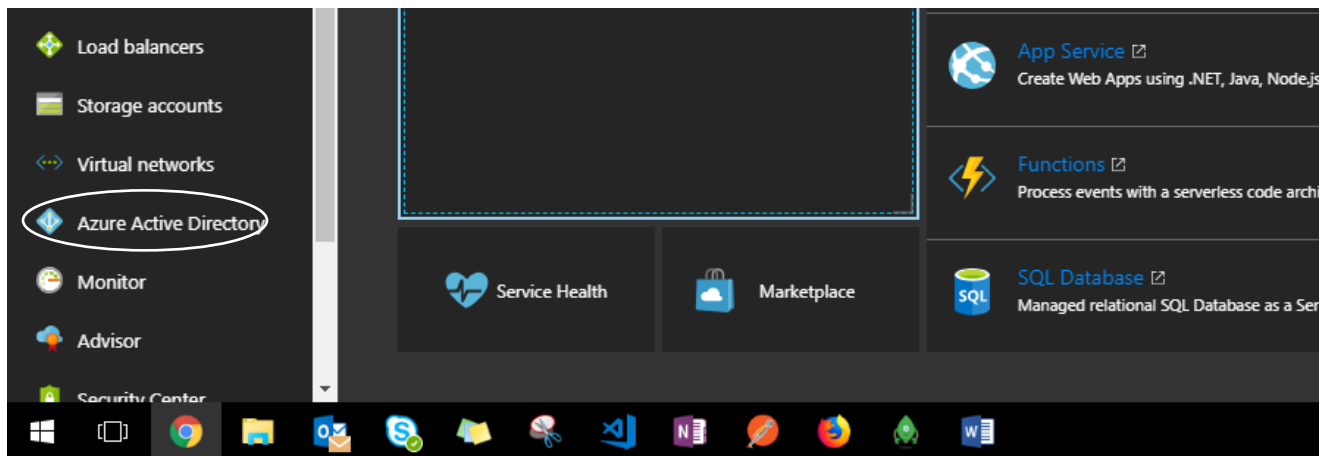


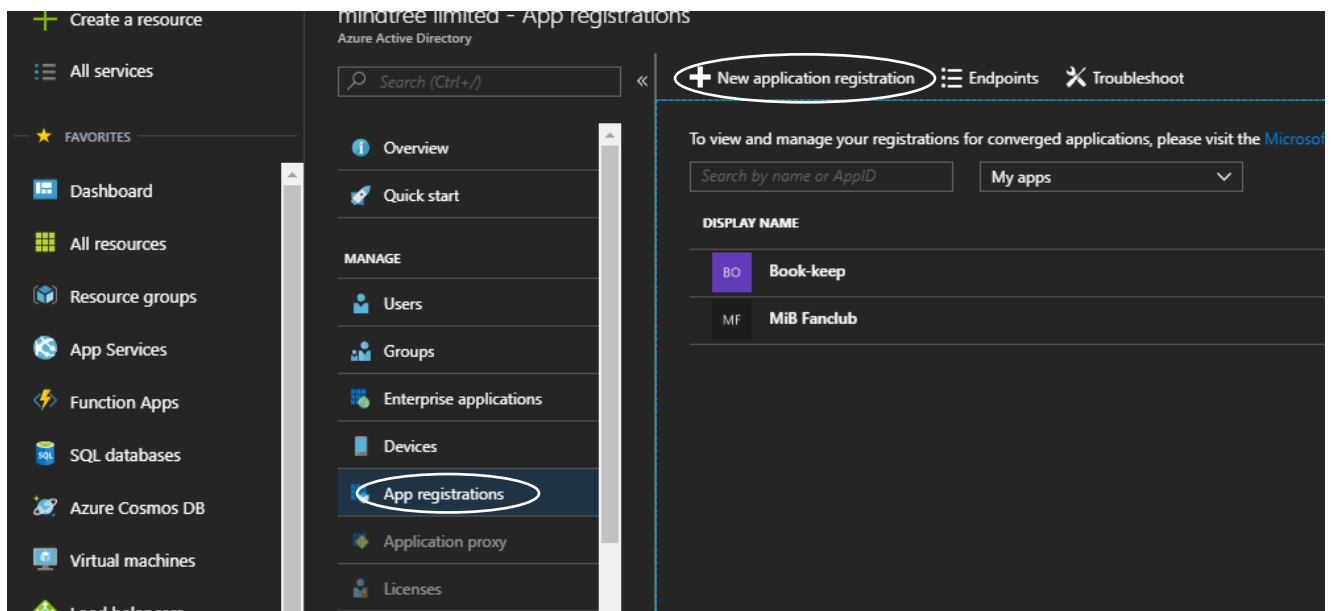
# Adal Integration in Angular application

First you have to register your application in [azure portal](#). Open azure portal and follow the following instructions

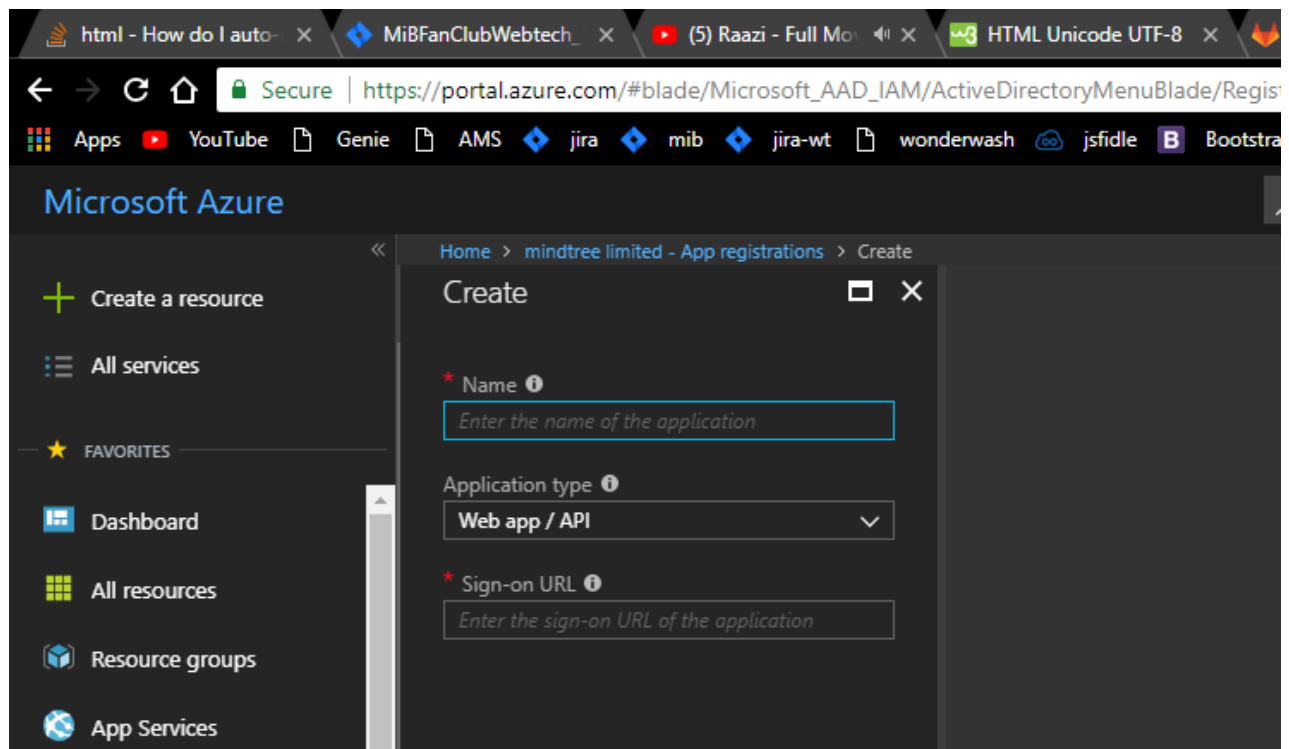
Now select the Azure active directory in the left side menu



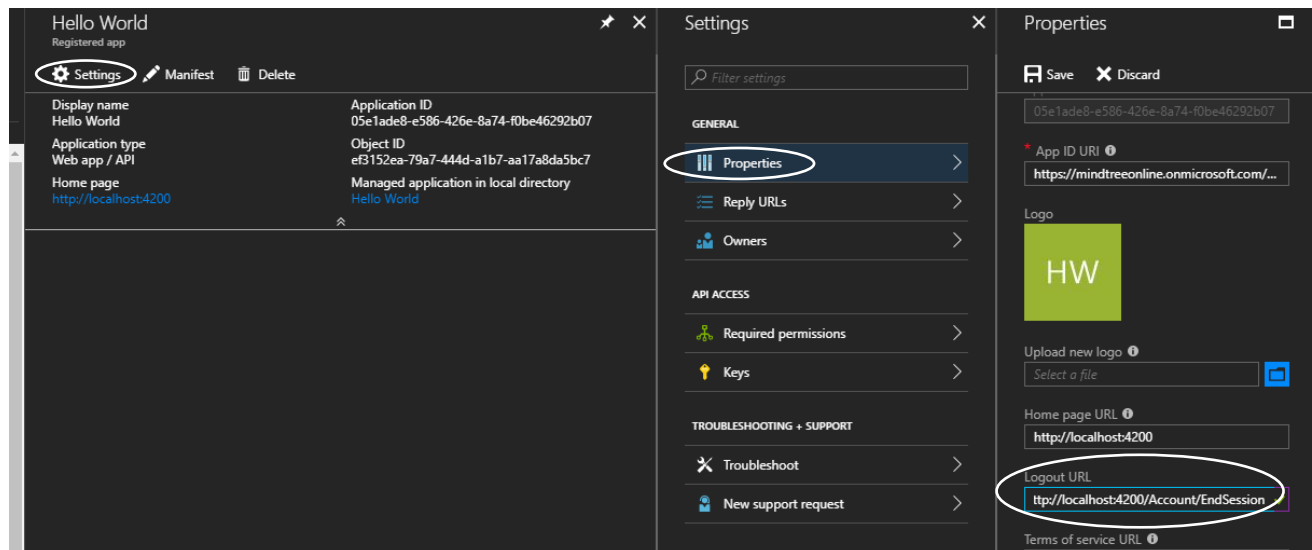
In that open app registrations and create a new app registration



And fill the details of your application



Sign on url is the home page url of your application

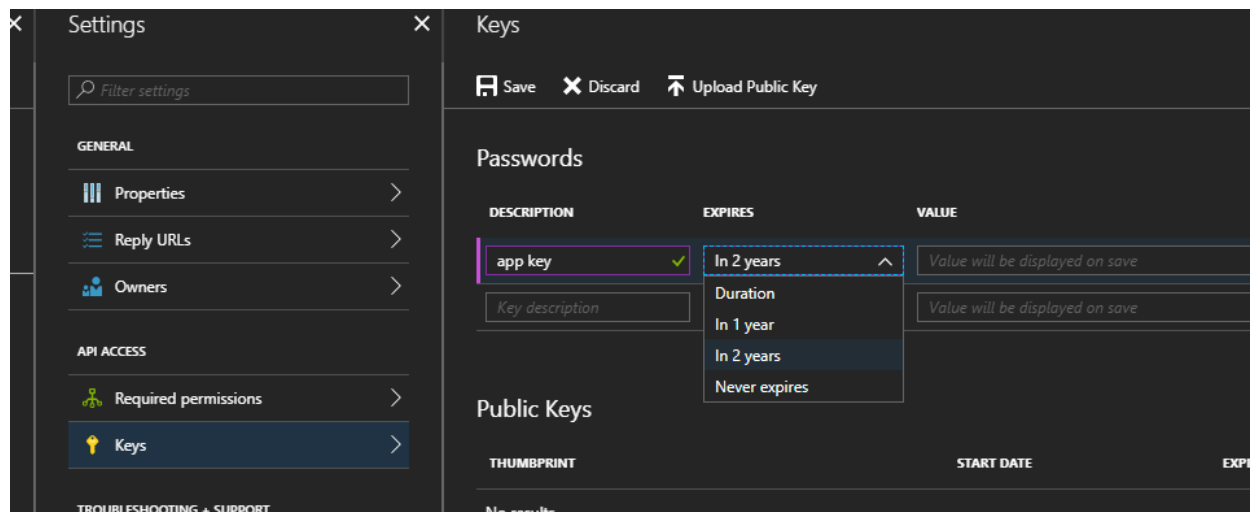


Copy the **Application ID** and note it some where

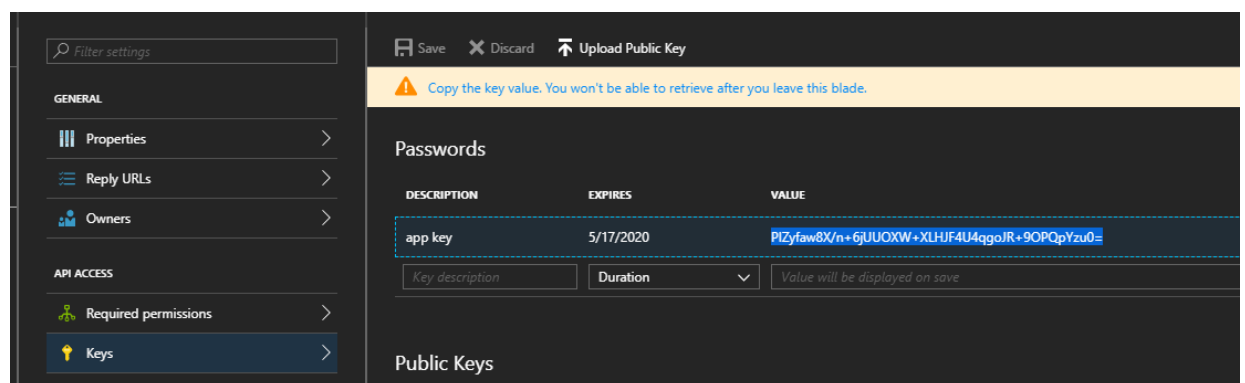
Enter the **Logout URL** as the Sign-on URL you entered earlier, followed by /Account/EndSession. This will link to the single sign out URL of our application.

Save the settings.

Now click on the keys in the same list. And add a key with some duration.

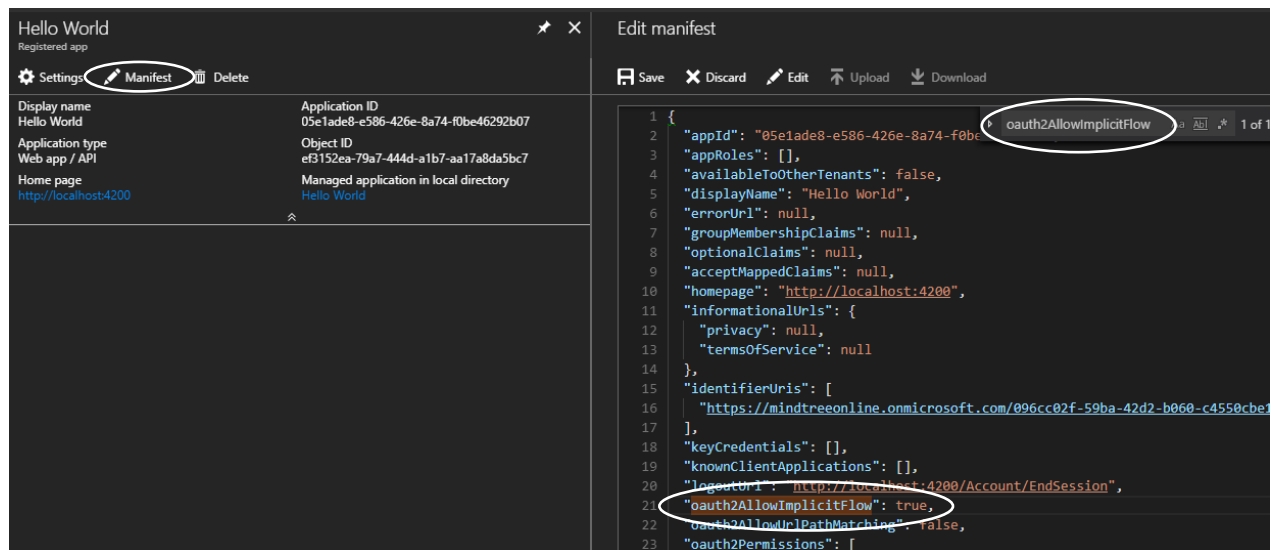


And save it. Now a key gets generated. Copy and save the key



Authentication happens using OAuth2 protocol. Applications provisioned in AAD are not by default enabled to use OAuth2, so you need to explicitly opt-in to do so:

Click on the manifest. It will edit the configuration of your app registration. There search for **oauth2AllowImplicitFlow** and change it to true.



Next configuring the app to connect to the adal services.

Open your terminal and run this command

For Angular 5 or 4

```
npm i ng2-adal --save
```

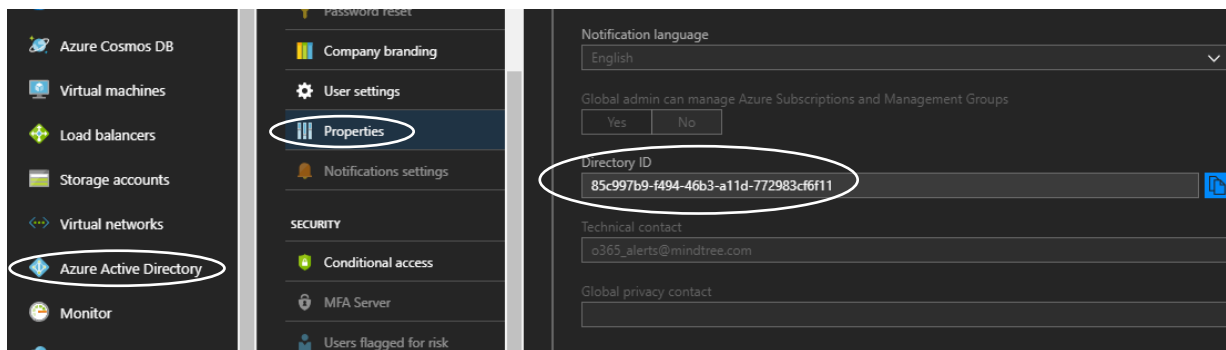
If you are using Angular 6 use this package instead

```
npm i adal-angular4 --save
```

Create a service file and add this configuration

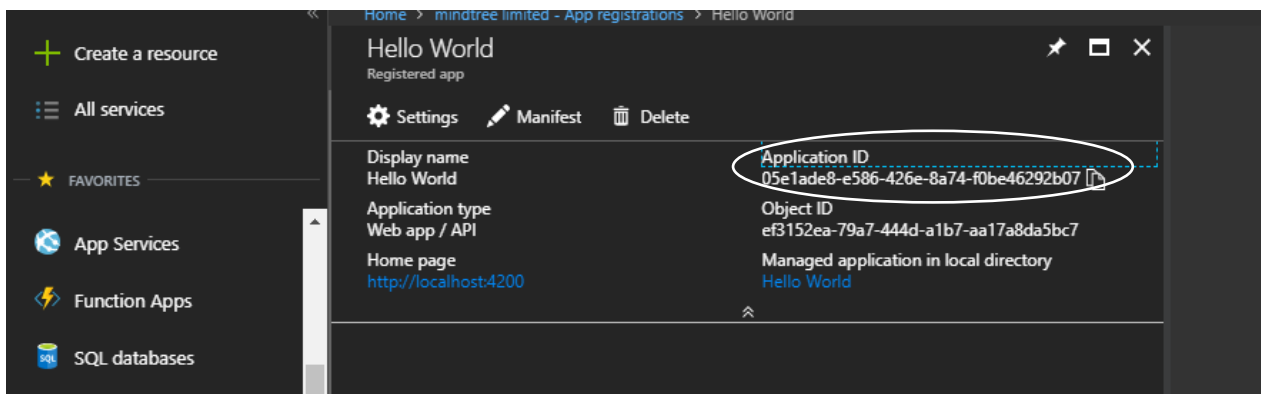
```
import { Injectable } from '@angular/core';
@Injectable()
export class AnyService {
  public get adalConfig() {
    return {
      tenant: '[your tenant]', // provided in the azure portal
      clientId: '[application ID]', // provided in the azure portal
      redirectUri: window.location.origin + '/',
      postLogoutRedirectUri: window.location.origin + '/'
    }
  }
}
```

To get the tenant ID goto Azure active directory >> properties and copy the Directory ID



Directory ID is the tenant ID.

Application ID is available on the registered App page



Configuration to get the user data through the adal service in app component. First import adal service and any service in app component

```
import { AdalService } from 'ng2-adal/dist/core';
constructor(
  private adalService: AdalService,
  private secretService: SecretService) {
  this.adalService.init(this.secretService.adalConfig);
}
```

```
ngOnInit() {  
  this.adalService.handleWindowCallback();  
  this.adalService.getUser();  
}
```

Now the adal service is ready to use

Import **adalService** in any component and start using it

Examples:

1. To check the user **this.adalService.userInfo.isAuthenticated**
2. to login **this.adalService.login()**
3. to logout **this.adalService.logout()**
4. to get user data object **this.adalService.userInfo**

reference: <https://dotronald.be/add-azure-active-directory-to-an-existing-angular-2-single-page-application/>

# Thank you